



MM	MM	CC	CCCCCCCC	GGGGGGGG	EEEEEEEEE	TTTTTTTTT	LL	IIIIII	NN	NN
MM	MM	CC	CCCCCCCC	GGGGGGGG	EEEEEEEEE	TTTTTTTTT	LL	IIIIII	NN	NN
MMMM	MMMM	CC	GG	EE	TT	LL	IIIIII	NN	NN	NN
MMMM	MMMM	CC	GG	EE	TT	LL	IIIIII	NN	NN	NN
MM	MM	CC	GG	EE	TT	LL	IIIIII	NNNN	NN	NN
MM	MM	CC	GG	EE	TT	LL	IIIIII	NNNN	NN	NN
MM	MM	CC	GG	EEEEEEEEE	TT	LL	IIIIII	NN	NN	NN
MM	MM	CC	GG	EEEEEEEEE	TT	LL	IIIIII	NN	NN	NN
MM	MM	CC	GG	GGGGGG	EE	TT	LL	IIIIII	NN	NNNN
MM	MM	CC	GG	GGGGGG	EE	TT	LL	IIIIII	NN	NNNN
MM	MM	CC	GG	GG	EE	TT	LL	IIIIII	NN	NN
MM	MM	CC	GG	GG	EE	TT	LL	IIIIII	NN	NN
MM	MM	CCCCCCCC	GGGGGG	EEEEEEEEE	TT	LLLLLLLLL	IIIIII	NN	NN	....
MM	MM	CCCCCCCC	GGGGGG	EEEEEEEEE	TT	LLLLLLLLL	IIIIII	NN	NN	....

LL	IIIIII	SSSSSSSS
LL	IIIIII	SSSSSSSS
LL	SS	SS
LL	SS	SS
LL	SS	SS
LL	SSSSSS	SS
LL	SSSSSS	SS
LL	SS	SS
LL	SS	SS
LL	SSSSSS	SS
LL	SSSSSS	SS
LLLLLLLLL	IIIIII	SSSSSSSS
LLLLLLLLL	IIIIII	SSSSSSSS

```
0001 0 XTITLE 'EDTSMCGETLIN - get a text line'
0002 0 MODULE EDTSMCGETLIN (
0003 0           IDENT = 'V04-000'
0004 0           ) =
0005 1 BEGIN
0006 1 ****
0007 1 *
0008 1 *  COPYRIGHT (c) 1978, 1980, 1982, 1984 BY
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0026 1 *
0027 1 *
0028 1 ****
0029 1 *
0030 1 *
0031 1 ++
0032 1 * FACILITY: EDT -- The DEC Standard Editor
0033 1 *
0034 1 * ABSTRACT:
0035 1 *
0036 1 *     Get a text line.
0037 1 *
0038 1 * ENVIRONMENT: Runs at any access mode - AST reentrant
0039 1 *
0040 1 * AUTHOR: Bob Kushlis, CREATION DATE: September 9, 1979
0041 1 *
0042 1 * MODIFIED BY:
0043 1 *
0044 1 * 1-001 - Original. DJS 19-FEB-1981. This module was created by
0045 1 *           extracting routine EDT$GET_TXTLN from module MOVCUR.
0046 1 * 1-002 - Regularize headers. JBS 11-Mar-1981
0047 1 * 1-003 - Put edt$stst_eob in line. STS 22-Sep-1982
0048 1 * 1-004 - Improve the appearance of the listing. JBS 17-Jun-1983
0049 1 * --
0050 1 *
```

```
52      0051 1 %SBTTL 'Declarations'  
53      0052 1 :  
54      0053 1 : TABLE OF CONTENTS:  
55      0054 1 :  
56      0055 1 :  
57      0056 1 REQUIRE 'EDTSRC:TRAROUNAM';  
58      0495 1 :  
59      0496 1 FORWARD ROUTINE  
60      0497 1     EDTSSGET_TXTLN : NOVALUE;  
61      0498 1 :  
62      0499 1 :  
63      0500 1 : INCLUDE FILES:  
64      0501 1 :  
65      0502 1 :  
66      0503 1 REQUIRE 'EDTSRC:EDTREQ';  
67      0638 1 :  
68      0639 1 :  
69      0640 1 : MACROS:  
70      0641 1 :  
71      0642 1 :     NONE  
72      0643 1 :  
73      0644 1 : EQUATED SYMBOLS:  
74      0645 1 :  
75      0646 1 :     NONE  
76      0647 1 :  
77      0648 1 : OWN STORAGE:  
78      0649 1 :  
79      0650 1 :     NONE  
80      0651 1 :  
81      0652 1 : EXTERNAL REFERENCES:  
82      0653 1 :  
83      0654 1 :     In the routine
```

85 0655 1 ZSBTTL 'EDT\$SGET\_TXTLN - get a text line'  
86 0656 1  
87 0657 1 GLOBAL ROUTINE EDT\$SGET\_TXTLN ! Get a text line  
88 0658 1 : NOVALUE =  
89 0659 1  
90 0660 1 ++  
91 0661 1 FUNCTIONAL DESCRIPTION:  
92 0662 1  
93 0663 1 This routine fetches the current line from the work file into the  
94 0664 1 current line buffer. The pointer EDTSSA\_LN\_PTR is updated to  
95 0665 1 point to the cursor position and EDTSSA\_LN\_END and EDT\$SG\_LN\_LEN  
96 0666 1 are initialized. A carriage return character is placed after the  
97 0667 1 last character in the buffer to facilitate search operations.  
98 0668 1  
99 0669 1 FORMAL PARAMETERS:  
100 0670 1  
101 0671 1  
102 0672 1  
103 0673 1  
104 0674 1  
105 0675 1  
106 0676 1  
107 0677 1  
108 0678 1  
109 0679 1  
110 0680 1  
111 0681 1  
112 0682 1  
113 0683 1  
114 0684 1  
115 0685 1  
116 0686 1  
117 0687 1  
118 0688 1  
119 0689 1  
120 0690 1  
121 0691 1  
122 0692 1  
123 0693 1  
124 0694 1 --  
125 0695 1  
126 0696 2  
127 0697 2  
128 0698 2  
129 0699 2  
130 0700 2  
131 0701 2  
132 0702 2  
133 0703 2  
134 0704 2  
135 0705 2  
136 0706 2  
137 0707 2  
138 0708 2  
139 0709 2  
140 0710 2  
141 0711 2 !+  
EDTSSA\_CUR\_BUF  
EDTSSA\_LN\_BUF  
EDTSSA\_WK\_LN  
EDT\$SG\_LN\_CHGD  
EDTSSA\_LN\_PTR  
EDTSSA\_LN\_END  
EDT\$SG\_LN\_LEN  
ROUTINE VALUE:  
NONE  
SIDE EFFECTS:  
NONE  
BEGIN  
EXTERNAL ROUTINE  
EDT\$SRD\_CURLN;  
EXTERNAL  
EDT\$SG\_LN\_CHGD, ! Indicates current line has changed.  
EDTSSA\_CUR\_BUF : REF TBCB\_BLOCK, ! Current text buffer  
EDTSSA\_LN\_BUF, ! Current line buffer.  
EDTSSA\_LN\_PTR, ! Current character pointer.  
EDTSSA\_LN\_END, ! End of current line pointer.  
EDT\$SG\_LN\_LEN, ! Length of current line.  
EDT\$SZ\_EOB\_LN,  
EDTSSA\_WK\_LN : REF LIN\_BLOCK; ! Current line pointer.

```

142 0712 2 : Make sure the current line is accessible.
143 0713 2 :-
144 0714 2 : EDTSSRD_CURLN ();
145 0715 2 :+
146 0716 2 : Check for end of buffer.
147 0717 2 :-
148 0718 2 :-
149 0719 2 : IF (.EDTSSA_WK_LN EQLA EDTSSZ_EOB_LN)
150 0720 2 : THEN
151 0721 2 : EDTSSG_LN_LEN = 0
152 0722 2 : ELSE
153 0723 2 : BEGIN
154 0724 2 :+
155 0725 2 : Get the length and move that many characters.
156 0726 2 :-
157 0727 2 : EDTSSG_LN_LEN = .EDTSSA_WK_LN [LIN_LENGTH];
158 0728 2 : EDTSSCPY_MEM (.EDTSSG_LN_LEN, EDTSSA_WK_LN [LIN_TEXT], EDTSSST_LN_BUF);
159 0729 2 : END;
160 0730 2 :-
161 0731 2 :+
162 0732 2 : Set up the end of line pointer.
163 0733 2 :-
164 0734 2 : EDTSSA_LN_END = CHSPTR (EDTSSST_LN_BUF, .EDTSSG_LN_LEN);
165 0735 2 :+
166 0736 2 : Place a CR at the end of the line.
167 0737 2 :-
168 0738 2 : CHSWCHAR (ASC_K_CR, .EDTSSA_LN_END);
169 0739 2 :+
170 0740 2 : Set up the cursor pointer to point to the current character.
171 0741 2 :-
172 0742 2 : EDTSSA_LN_PTR = CHSPTR (EDTSSST_LN_BUF, .EDTSSA_CUR_BUF [TBCB_CHAR_POS]);
173 0743 2 :+
174 0744 2 : And mark the current line as unchanged.
175 0745 2 :-
176 0746 2 : EDTSSG_LN_CHGD = 0;
177 0747 1   EDTSSG_LN_CHGD = 0;
           END; ! of routine EDTSSGET_TXTLN

```

```

.TITLE EDTSMCGETLIN EDTSMCGETLIN - get a text line
.IDENT \V04-000\
```

```

.EXTRN EDTSSRD_CURLN, EDTSSG_LN_CHGD
.EXTRN EDTSSA_CUR_BUF, EDTSSST_LN_BUF
.EXTRN EDTSSA_LN_PTR, EDTSSA_LN_END
.EXTRN EDTSSG_LN_LEN, EDTSSZ_EOB_LN
.EXTRN EDTSSA_WK_LN
```

```
.PSECT _EDTSCODE,NOWRT, SHR, PIC,2
```

	000000006	58 00000000G	00 9E 00000	01FC 00000				
		57 00000000G	00 9E 00009		MOVAB	EDTSSA_LN_END, R8		
		56 00000000G	00 9E 00010		MOVAB	EDTSSST_LN_BUF, R7		
		00	FB 00017		MOVAB	EDTSSG_LN_LEN, R6		
		51 00000000G	00 D0 0001E		CALLS	#0, EDTSSRD_CURLN		0714
		50 00000000G	00 9E 00025		MOVL	EDTSSA_WK_LN, R1		0719
		50	D1 0002C		MOVAB	EDTSSZ_EOB_LN, R0		
					CMPL	R1, R0		

EDTSMCGETLIN  
V04-000

EDTSMCGETLN - get a text line  
EDTSSGET\_TXTLN - get a text line

G 9  
16-Sep-1984 01:10:30  
14-Sep-1984 12:23:55

VAX-11 BLiss-32 V4.0-742  
DISKSVMMASTER:[EDT.SRC]MC

Page 5  
1:1 (3)

; Routine Size: 103 bytes, Routine Base: \_EDTSCODE + 0000

178 0748 1  
179 0749 1 !<BLF/PAGE>

EDT\$MCGETLIN  
V04-000      EDT\$MCGETLIN - get a text line  
                EDT\$GET\_TXTLN - get a text line  
:  
: 181      0750 1 END  
: 182      0751 1  
: 183      0752 0 ELUDOM

H 9  
16-Sep-1984 01:10:30      VAX-11 Bliss-32 V4.0-742  
14-Sep-1984 12:23:55      DISK\$VMSMASTER:[EDT.SRC]MCGETLIN.BLI;1 Page 6  
                (4)  
                ! of module EDT\$MCGETLIN

#### PSECT SUMMARY

Name	Bytes	Attributes
_EDT\$CODE	103	NOVEC,NOWRT, RD , EXE, SHR, LCL, REL, CON, PIC,ALIGN(2)

#### Library Statistics

File	-----	Symbols	-----	Pages	Processing
	Total	Loaded	Percent	Mapped	Time
-\$255\$DUA28:[EDT.SRC]EDT.L32:1	377	33	8	40	00:00.2
-\$255\$DUA28:[EDT.SRC]PSECTS.L32:1	2	1	50	7	00:00.1

#### COMMAND QUALIFIERS

BLISS/CHECK=(FIELD,INITIAL,OPTIMIZE)/NOTRACEBACK/LIS=LIS\$:MCGETLIN/OBJ=OBJ\$:MCGETLIN MSRC\$:MCGETLIN.BLI/UPDATE=(ENH\$:MCGETLIN)

Size:      103 code + 0 data bytes  
Run Time:    00:11.0  
Elapsed Time: 00:13.9  
Lines/CPU Min: 4116  
Lexemes/CPU-Min: 11709  
Memory Used: 69 pages  
Compilation Complete

0137 AH-BT13A-SE  
VAX/VMS V4.0

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LXCOMM00  
LIS

MCGETLIN  
LIS

MCRIGHT  
LIS

MCCHANGE  
LIS

MACCAL  
LIS

NOOPEN  
LIS

PRAPPNUM  
LIS

LXPRINT  
LIS

MCSTOP  
LIS

PRGETTOK  
LIS

PRISTOK  
LIS

MCDOWN  
LIS

MCLEFT  
LIS

MCBOTTOM  
LIS

MCUP  
LIS

PAUDIT  
LIS

PRGETCHR  
LIS

LXCOM  
LIS

MAIN  
LIS